"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.1\lib\idea_rt.jar=57903:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.1\bin" -Dfile.encoding=UTF-8 -classpath C:\Users\kiyal\IdeaProjects\BinaryTreeTally\out\production\BinaryTreeTally BinaryTreeTally

~^*^~ Set #1: ~^*^~

Primary Traversals:
Inorder: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Preorder: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Postorder: 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Initial Node Count: 20
Node 1 has 1 child(ren).
Node 2 has 1 child(ren).
Node 3 has 1 child(ren).
Node 4 has 1 child(ren).
Node 5 has 1 child(ren).
Node 6 has 1 child(ren).
Node 7 has 1 child(ren).
Node 8 has 1 child(ren).
Node 9 has 1 child(ren).
Node 10 has 1 child(ren).

Node 11 has 1 child(ren).

Node 12 has 1 child(ren).

Node 13 has 1 child(ren).

Node 14 has 1 child(ren).

Node 15 has 1 child(ren).

Node 16 has 1 child(ren).

Node 17 has 1 child(ren).

Node 18 has 1 child(ren).

Node 19 has 1 child(ren).

Node 20 has 0 children.

Adjusted Traversals (Ins/Del):

Inorder: 1 3 4 5 6 7 8 9 11 13 14 15 17 18 19 20 21 30

Preorder: 1 3 4 5 6 7 8 9 11 13 14 15 17 18 19 20 21 30

Postorder: 30 21 20 19 18 17 15 14 13 11 9 8 7 6 5 4 3 1

Final Node Count: 18

Node 1 has 1 child(ren).

Node 3 has 1 child(ren).

Node 4 has 1 child(ren).

Node 5 has 1 child(ren).

Node 6 has 1 child(ren).

Node 7 has 1 child(ren).

Node 8 has 1 child(ren).

Node 9 has 1 child(ren).

Node 11 has 1 child(ren).

Node 13 has 1 child(ren).

Node 14 has 1 child(ren).

Node 15 has 1 child(ren).

Node 17 has 1 child(ren).

Node 18 has 1 child(ren).

Node 19 has 1 child(ren).

Node 20 has 1 child(ren).

Node 21 has 1 child(ren).

Node 30 has 0 children.

~^*^~ Set #2: ~^*^~

Primary Traversals:

Inorder: 1 3 5

Preorder: 3 1 5

Postorder: 1 5 3

Initial Node Count: 3

Node 3 has 2 child(ren).

Node 1 has 0 children.

Node 5 has 0 children.

Adjusted Traversals (Ins/Del):

Inorder: 1 2 3 5 6 14 33

Preorder: 3 1 2 5 14 6 33

Postorder: 2 1 6 33 14 5 3

Final Node Count: 7

Node 3 has 2 child(ren).

Node 1 has 1 child(ren).

Node 2 has 0 children.

Node 5 has 1 child(ren).

Node 14 has 2 child(ren).

Node 6 has 0 children.

Node 33 has 0 children.

~^*^~ Set #3: ~^*^~

Primary Traversals:

Inorder: 8 11 12 15 25 32 37 45 50 60 67 75 90 95 97

Preorder: 11 8 25 12 15 75 37 32 60 45 50 67 90 97 95

Postorder: 8 15 12 32 50 45 67 60 37 95 97 90 75 25 11

Initial Node Count: 15

Node 11 has 2 child(ren).

Node 8 has 0 children.

Node 25 has 2 child(ren).

Node 12 has 1 child(ren).

Node 15 has 0 children.

Node 75 has 2 child(ren).

Node 37 has 2 child(ren).

Node 32 has 0 children.

Node 60 has 2 child(ren).

Node 45 has 1 child(ren).

Node 50 has 0 children.

Node 67 has 0 children.

Node 90 has 1 child(ren).

Node 97 has 1 child(ren).

Node 95 has 0 children.

Adjusted Traversals (Ins/Del):

Inorder: 8 11 12 15 21 30 32 37 50 67 75 90 95

Preorder: 11 8 30 12 15 21 75 37 32 67 50 90 95

Postorder: 8 21 15 12 32 50 67 37 95 90 75 30 11

Final Node Count: 13

Node 11 has 2 child(ren).

Node 8 has 0 children.

Node 30 has 2 child(ren).

Node 12 has 1 child(ren).

Node 15 has 1 child(ren).

Node 21 has 0 children.

Node 75 has 2 child(ren).

Node 37 has 2 child(ren).

Node 32 has 0 children.

Node 67 has 1 child(ren).

Node 50 has 0 children.

Node 90 has 1 child(ren).

Node 95 has 0 children.

~^*^~ Set #4: ~^*^~

Primary Traversals:

Inorder: 10 15 27 34 39 40 60 82 150

Preorder: 150 40 39 34 27 10 15 60 82

Postorder: 15 10 27 34 39 82 60 40 150

Initial Node Count: 9

Node 150 has 1 child(ren).

Node 40 has 2 child(ren).

Node 39 has 1 child(ren).

Node 34 has 1 child(ren).

Node 27 has 1 child(ren).

Node 10 has 1 child(ren).

Node 15 has 0 children.

Node 60 has 1 child(ren).

Node 82 has 0 children.

Adjusted Traversals (Ins/Del):

Inorder: 10 12 15 21 34 39 40 60 150

Preorder: 150 40 39 34 10 15 12 21 60

Postorder: 12 21 15 10 34 39 60 40 150

Final Node Count: 9

Node 150 has 1 child(ren).

Node 40 has 2 child(ren).

Node 39 has 1 child(ren).

Node 34 has 1 child(ren).

Node 10 has 1 child(ren).

Node 15 has 2 child(ren).

Node 12 has 0 children.

Node 21 has 0 children.

Node 60 has 0 children.

~^*^~ Set #5: ~^*^~

Primary Traversals:

Inorder: 2

Preorder: 2

Postorder: 2

Initial Node Count: 1

Node 2 has 0 children.

Adjusted Traversals (Ins/Del):

Inorder:

Preorder:

Postorder:

Final Node Count: 0

~^*^~ Set #6: ~^*^~

Primary Traversals:

Inorder: 3 7 15 16 34 43 48 56 65 74 92

Preorder: 34 3 7 15 16 65 48 43 56 92 74

Postorder: 16 15 7 3 43 56 48 74 92 65 34

Initial Node Count: 11

Node 34 has 2 child(ren).

Node 3 has 1 child(ren).

Node 7 has 1 child(ren).

Node 15 has 1 child(ren).

Node 16 has 0 children.

Node 65 has 2 child(ren).

Node 48 has 2 child(ren).

Node 43 has 0 children.

Node 56 has 0 children.

Node 92 has 1 child(ren).

Node 74 has 0 children.

Adjusted Traversals (Ins/Del):

Inorder: 2 3 7 10 12 15 16 21 30 43 48 56 65 74 92

Preorder: 43 3 2 7 15 10 12 16 21 30 65 48 56 92 74

Postorder: 2 12 10 30 21 16 15 7 3 56 48 74 92 65 43

Final Node Count: 15

Node 43 has 2 child(ren).

Node 3 has 2 child(ren).

Node 2 has 0 children.

Node 7 has 1 child(ren).

Node 15 has 2 child(ren).

Node 10 has 1 child(ren).

Node 12 has 0 children.

Node 16 has 1 child(ren).

Node 21 has 1 child(ren).

Node 30 has 0 children.

Node 65 has 2 child(ren).

Node 48 has 1 child(ren).

Node 56 has 0 children.

Node 92 has 1 child(ren).

Node 74 has 0 children.

Process finished with exit code 0